PTO/SB/21 (04-07) Approved for use through 09/30/2007. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Application Number 10/660,997 TRANSMITTAL Filing Date 09/12/2003 FORM First Named Inventor David J. Ecker Art Unit Examiner Name (to be used for all correspondence after initial filing) Attorney Docket Number DIBIS-0002US.P2 Total Number of Pages in This Submission ENCLOSURES (Check all that apply) After Allowance Communication to TC Fee Transmittal Form Drawing(s) Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to TC Petition Amendment/Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a Proprietary Information After Final Provisional Application Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) (please Identify Terminal Disclaimer Extension of Time Request below): Certificate of Correction Request for Refund Express Abandonment Request CD. Number of CD(s) Information Disclosure Statement Landscape Table on CD Certified Copy of Priority Remarks Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Isis Pharmaceuticals, Inc. Signature Printed name Jeff Landes, Esq Date Reg. No. 2001 55,355 CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

| | Pa | ige | 1 | of _ | 1 |
|--|--|-------------------|---|------|---|
| PATENT NO. : | : 7,226,739 | | | | |
| APPLICATION NO.: | : 10/660,997 | | | | |
| ISSUE DATE : | : 06/05/2007 | | | | |
| INVENTOR(S) : | David J. Ecker et al. | | | | |
| It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below: | | | | | |
| 1) Column 5, | line 11, please delete "ID" and insert therefor -1D; | | | | |
| 2) Column 14 | 4, line 57, please delete "($A_{14}G_9Cl_4T_9$)" and insert therefor –-($A_{14}G_9C_{14}$ | Γ ₉); | | | |
| 3) Column 20 |), line 64, please delete "." and insert therefor:; | | | | |
| 4) Column 25 | 5, line 14, please delete "16S ⁻¹²⁹⁴ " and insert therefor16S_1294; | | | | |
| 5) Column 28 | B, line 10, please delete "antiracis" and insert thereforanthracis | | | | |
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MAILING ADDRESS OF SENDER (Please do not use customer number below):

Isis Pharmaceuticals, Inc. 1896 Rutherford Rd. Carlsbad. CA 92008

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